Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks, comprising:

requesting access, via a mobile IP node, to a WLAN at an access point, a basic service area of the WLAN including one or more access points assigned to an access server;

authenticating, via a wireless interface within the basic service area of the WLAN, the mobile IP node requesting access to the WLAN; and

transmitting from the mobile IP node, upon request from the access server, an IMSI stored on a SIM card of the mobile IP node to the access server, the IMSI of the mobile IP node being stored in a database of a SIM-RADIUS module,

wherein, based on the IMSI, a logical IP data channel of the WLAN is user-specifically supplemented towards corresponding GSM data for signal and data channels of a GSM network by means of information stored in a SIM user database,

by means of a SIM gateway module, to perform an authentication of the mobile IP node, necessary SS7/MAP functions are generated based on the GSM data,

by means of the SIM user database and the SIM gateway module, the SIM-RADIUS module performs the authentication of the mobile IP node at an HLR or a VLR of the GSM network, based on the IMSI of the SIM card of the mobile IP node, ~~and~~

with successful authentication, (1) an authorization of the mobile IP node is performed, a corresponding user profile based on the IMSI being downloaded at the HLR and/or VLR, (2) the mobile IP node receives a corresponding entry in a customer database of the access server, and (3) the WLAN is released for use by the mobile IP ~~node.~~node, and

the SIM-RADIUS module and SIM gateway module are located on an open network and have direct access to a plurality of GSM networks on the open network for authentication at an HLR or a VLR of each of the plurality of GSM networks.

2. (Canceled)

3. (Previously Presented) The method for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 1, wherein, in authenticating the mobile IP node, the IMSI stored on the SIM card of the mobile IP node is only used up to one or more of the first authentication stages then replaced by a generated temporary IMSI.

4. (Previously Presented) The method for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 1, wherein authenticating the mobile IP node is performed by means of an extensible authentication protocol.

5. (Previously Presented) The method for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 1, wherein, a data stream of the mobile IP node is directed via a mobile radio network service provider during access to the WLAN from the access point.

6. (Previously Presented) The method for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 5, wherein, based on authenticating by means of the IMSI, the mobile radio network service provider issues a corresponding service authorization for use of different services or performs billing of a used service.

7. (Previously Presented) The method for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 1, wherein, the SIM user database is connected to a sync module and a sync database for changing or

deleting existing user datasets or for inserting new user datasets, a comparison of databases being carried out periodically or initiated by changes in the sync database or through failure of the SIM user database.

8. (Previously Presented) The method for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 1, wherein, by means of a clearing module for billing, billing records of the heterogeneous WLANs are synchronized with the user data and processed based on GSM-Standard TAP.

9. (Currently Amended) A system for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks, comprising:

at least one WLAN, with a basic service area, the basic service area of the at least one WLAN including one or more access points assigned to an access server, the one or more access points including a wireless interface for communication with at least one mobile IP node, the at least one mobile IP node including a SIM card for storage of an IMSI; and

a SIM gateway module,

wherein the access server further comprises:

a SIM-RADIUS module that stores an IMSI database;

a SIM user database; and

a customer database;

the access server, based on the IMSI and with information stored in the SIM user database, supplements a logical IP data channel of the WLAN user-specifically towards GSM data for signal and data channels of a GSM network, and, via the SIM gateway module, to perform an authentication of the mobile IP node, necessary SS7/ MAP functions are generated based on the GSM data,

by means of the SIM user database and the SIM gateway module, the SIM-RADIUS module performs the authentication of the mobile IP node at an HLR or a VLR of the GSM network, based on the IMSI of the SIM card of the mobile IP node, and

with successful authentication, users of the WLAN can be entered into the customer database by means of the SIM-RADIUS ~~module.~~module,

wherein the SIM-RADIUS module and SIM gateway module are located on an open network and have direct access to a plurality of GSM networks on the open network for authentication at an HLR or a VLR of each of the plurality of GSM networks.

10. (Canceled)

11. (Previously Presented) The system for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 9, wherein, in the authentication of the mobile IP node, the IMSI stored on the SIM card of the mobile IP node is replaceable by a temporary IMSI generated by means of a module.

12. (Previously Presented) The system for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 9, wherein the authentication of the mobile IP node can be performed by means of an extensible authentication protocol.

13. (Previously Presented) The system for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 9, wherein the system includes of a mobile radio network provider via whom a data stream of the mobile IP node is able to be rerouted from the access point during access to the WLAN.

14. (Previously Presented) The system for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 13, wherein the mobile radio network provider includes an authorization module, which, based on the

authentication by means of the IMSI, issues a corresponding service authorization for use of different services, or includes a clearing system that carries out billing of a used service.

15. (Previously Presented) The system for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 9, further comprising a sync module with a sync database, by means of which the SIM user database is connected for changing or deleting existing user datasets or for inserting new user datasets, a comparison of databases being carried out periodically or initiated by changes in the sync database or through failure of the SIM user database.

16. (Previously Presented) The system for automatic roaming between heterogeneous WLANs and/or GSM/GPRS/UMTS networks according to claim 9, wherein, by means of a clearing module for billing, billing records of the heterogeneous WLANs are able to be synchronized with the user data and processed based on GSM-standard TAP.